

Safety Data Sheet

Date of revision : February 26, 2025

1. Product and company identification	
Product name	L- α -Amino-n-butyric acid
Recommended use	For test research
Name of manufacturer	Yoneyama Yakuhin Kogyo Co., Ltd.
Address	2-3-11 Doshomachi , Chuo-ku, Osaka, 541-0045, Japan
Contact for Information	Sales Division
Telephone number	06-6231-3555
Fax number	06-6223-1093
SDS No.	29311
2. Hazards identification	
GHS Classification	Does not meet the classification criteria.
Label Elements	
Symbol	—
Signal word	—
Hazard statements	—
3. Composition/information on ingredients	
Substance/Mixture	Substance
Chemical name or commercial name	L- α -Amino-n-butyric acid
Chemical formula	C ₄ H ₉ NO ₂
Numerical identifier	CAS RN: 1492-24-6
Ingredients and composition	100%
4. First and measures	
Inhalation	Move the affected person to fresh air. If feeling unwell, seek medical attention.
Skin contact	Remove contaminated clothing. Rinse skin thoroughly with plenty of water or take a shower. If skin irritation persists, seek medical advice/attention.
Eye contact	Rinse eyes with plenty of water for several minutes (remove contact lenses if possible) and seek medical advice/attention.
Ingestion	Rinse mouth. Give plenty of water to drink. If feeling unwell, seek medical attention.
5. Fire fighting measures	
Suitable extinguishing media	Spray water, alcohol-resistant foam, powder, carbon dioxide.
Unsuitable extinguishing media	No data.
Specific hazards arising from chemical	No data.
Particular fire fighting	No data.
Special protective actions for fire-fighters	Conduct firefighting operations from upwind to avoid inhalation of harmful gases. Wear respiratory protective equipment as necessary.
6. Accidental release measure	
Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and work from upwind to evacuate people downwind. Workers should wear appropriate protective equipment to avoid contact with eyes and skin and inhalation of vapour or mist.
Environmental precautions	Be careful not to discharge it into rivers, etc. and cause environmental impact. Store the vessels in a well-ventilated location. Entrust them to the appropriate authorities for disposal.
Methods and materials for containment and cleaning up	No data.
7. Handling and storage	
Handling	
Technical measures	Install local exhaust ventilation in the handling area. Seal the container tightly after use.
Precautions for safe handling	Do not tip, drop, impact, or drag containers; handle with care.
Incompatible materials	Prevent leaks, spills, and dispersal. Avoid unnecessary dust generation. Washing facility at the workplace required.
Hygiene measures	Wash hands thoroughly after handling.
Storage	
Conditions for safe storage	Store in a cool, dry place away from direct sunlight. Keep container tightly sealed.
Safe packaging materials	Polyethylene, polypropylene

8. Exposure controls/personal protection	
Exposure limits	
ACGIH	—
Equipment measures	Handle in a closed system as much as possible or use local exhaust ventilation. Provide hand-washing facilities near the work area.
Protective equipment	
Respiratory protection	Wear a dust mask or a simple dust mask.
Hand protection	Impervious protective gloves.
Eye protection	Safety goggles.
Skin protection	Protective clothing, protective boots.
9. Physical and chemical properties	
Physical state	Crystal powder
Color	White
Odor	No data.
Melting point/Freezing point	291°C
Boiling point	No data.
Combustibility	No data.
Upper/lower explosive limits	No data.
Flash point	No data.
Auto-ignition temperature	No data.
Decomposition temperature	No data.
pH	No data.
Viscosity	No data.
Solubility	Soluble easily in water
n-Octanol/water partition coefficient	No data.
Vapor pressure	No data.
Specific gravity	No data.
Vapor density	No data.
Particle characteristics	No data.
10. Stability and reactivity	
Stability	Stable under normal handling conditions. Discolors when exposed to light for extended periods.
Possibility of hazardous reaction	No data.
Conditions to avoid	Avoid exposure to sunlight, high temperatures, and high humidity.
Incompatible materials	Strong oxidizing substances
Hazardous decomposition products	Nitrogen oxides, carbon monoxide
11. Toxicological information	
Acute toxicity	No data.
Skin corrosion/irritation	No data.
Eye damage/irritation	No data.
Respiratory sensitization	No data.
Skin sensitization	No data.
Germ cell mutagenicity	No data.
Carcinogenicity	Not listed (NTP, IARC, OSHA) (Classification not possible)
Reproductive toxicity	No data.
Specific target organ toxicity(Single exposure)	No data.
Specific target organ toxicity(Repeated exposure)	No data.
Aspiration hazard	No data.
12. Ecological information	
Hazardous to the aquatic environment	Short-term: No data. Long-term: No data.
Persistence and degradability	No data.
Bioaccumulative potential	No data.
Mobility in soil	No data.
Hazardous to the ozone layer	Not enumerated in Montreal Protocol on Substances that Deplete the Ozone Layer.
13. Disposal considerations	
Residual disposal	If there is no way of recycling it must be disposed of in compliance with the respective national and local regulation. It consigns it to the industrial waste disposal trader who has permission.
14. Transport information	
UN Number	—
UN proper shipping name	—
Transport hazard class	—
Packing group	—

Additional identification	Before transportation, ensure that containers are free from leaks. Load them securely to prevent tipping, dropping, or damage. Take necessary precautions to prevent cargo shifting.
15. Regulatory information	Please apply to the regulatory control in each country.
16. Other information	
References	National Institute of Technology and Evaluation (NITE)
Attentions	<p>The Safety Data Sheet (SDS) is prepared based on JIS Z7253. All information contained herein is given in good faith and no warranty expressed or implied is made to its accuracy.</p> <p>The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations and determine whether they are appropriate.</p>